

PATENT ABSTRACTS OF JAPAN

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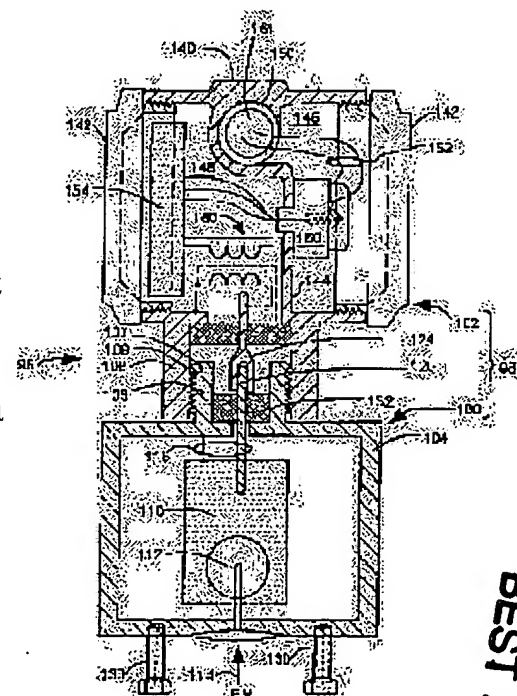
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(54) PROCESS SENSOR MODULE WITH UNGROUNDED SINGLE INPUT/ OUTPUT CONDUCTOR

(57)Abstract:

PROBLEM TO BE SOLVED: To eliminate high-level noise of a communication bus connected to an integrated circuit via a multi-core cable.

SOLUTION: This process sensor module 100 includes a housing 104 with a first mounting part 106 to be rotation-freely joined to a corresponding mounting part on a bus adaptor module. The integrated circuit 110 in the housing includes a process sensor. A two-conductor circuit 116 excites the integrated circuit, transmits a sensed process variable to a bus adaptor module 102, and transmits data from the bus adaptor module 102 to the integrated circuit 110. A rotatable and coaxial electric contact part 120 is sealed in the first mounting part, and the two-conductor circuit is joined to the bus adaptor module 102.



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